

WHAT IS CLAIMED IS:

1. A print control apparatus for controlling printing by an output apparatus capable of book bind printing, comprising:

5 setting information acquisition means for acquiring setting information of said book bind printing in correspondence with properties of said output apparatus capable of book bind printing; and

10 page layout determination means for determining a page layout upon said book bind printing based on said setting information of said book bind printing.

2. The print control apparatus according to claim 1, wherein said setting information of said book bind printing includes at least side-order setting information and sheet-order setting information, and wherein said setting information is stored as a file in a memory device.

20 3. The print control apparatus according to claim 1, wherein said setting information acquisition means acquires said sheet-order setting information and said side-order setting information from the type of said output apparatus or used paper discharge orifice and the type of finisher.

4. The print control apparatus according to claim 3,

wherein said page layout determination means determines the page layout upon said book bind printing based on the acquired sheet-order setting information and side-order setting information.

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5. The print control apparatus according to claim 1, further comprising generation means for generating print data transmitted to said output apparatus in accordance with the page layout determined by said page layout

10 determination means.

6. A print control apparatus for generating print data to be print-outputted by an output apparatus, comprising:

15 layout control means for, if book bind printing to discharge plural batch documents from said output apparatus is required, controlling layout of each page to arrange pages in consecutive page numbers for each batch document; and

20 transmission order control means for, if book bind printing to discharge plural batch documents from said output apparatus is required, controlling the order of transmission of print data by each batch document.

25 7. The print control apparatus according to claim 6, wherein said transmission order control means controls the order of transmission of print data by each batch

document based on designation of opening direction of book binding.

8. The print control apparatus according to claim 7,
5 wherein said opening direction of book binding is included in print settings designated by a user via a user interface, and wherein paper discharge property in said output apparatus is previously determined for each output apparatus.

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9. The print control apparatus according to claim 6, further comprising:

acquisition means for, if plural saddle stitch finisher are attachable to said output apparatus,

15 acquiring identification information of saddle stitch finisher attached to said output apparatus; and

specification means for specifying a paper discharge property corresponding to the identification information acquired by said acquisition means, from

20 prepared plural paper discharge properties,

wherein said transmission order control means controls the order of transmission of print data by each batch document based on the paper discharge property specified by said specification means.

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10. A print control method for controlling printing by an output apparatus capable of book bind printing,

comprising:

a setting information acquisition step of acquiring setting information of said book bind printing in correspondence with properties of said output

5 apparatus capable of book bind printing; and

a page layout determination step of determining a page layout upon said book bind printing based on said setting information of said book bind printing.

10 11. The print control method according to claim 10, wherein said setting information of said book bind printing includes at least side-order setting information and sheet-order setting information, and wherein said setting information is stored as a file in
15 a memory device.

12. The print control method according to claim 10, wherein at said setting information acquisition step, said sheet-order setting information and said side-order
20 setting information are acquired from the type of said output apparatus or used paper discharge orifice and the type of finisher.

13. The print control method according to claim 12,
25 wherein at said page layout determination step, the page layout upon said book bind printing is determined based on the acquired sheet-order setting information and

side-order setting information.

14. The print control method according to claim 10,
further comprising a generation step of generating print
5 data transmitted to said output apparatus in accordance
with the page layout determined at said page layout
determination step.

15. A print control method for generating print data
10 to be print-outputted by an output apparatus,
comprising:

a layout control step of, if book bind printing to
discharge plural batch documents from said output
apparatus is required, controlling layout of each page
15 to arrange pages in consecutive page numbers for each
batch document; and

a transmission order control step of, if book bind
printing to discharge plural batch documents from said
output apparatus is required, controlling the order of
20 transmission of print data by each batch document.

16. The print control method according to claim 15,
wherein at said transmission order control step, the
order of transmission of print data by each batch
25 document is controlled based on designation of opening
direction of book binding.

17. The print control method according to claim 16,
wherein said opening direction of book binding is
included in print settings designated by a user via a
user interface, and wherein paper discharge property in
5 said output apparatus is previously determined for each
output apparatus.

18. The print control method according to claim 15,
further comprising:
10 an acquisition step of, if plural saddle stitch
finisher are attachable to said output apparatus,
acquiring identification information of saddle stitch
finisher attached to said output apparatus; and
a specification step of specifying a paper
15 discharge property corresponding to the identification
information acquired at said acquisition step, from
prepared plural paper discharge properties,
wherein said transmission order control means
controls the order of transmission of print data by each
20 batch document based on the paper discharge property
specified at said specification step.

19. A program for controlling printing by an output
apparatus capable of book bind printing, comprising:
25 a setting information acquisition module for
acquiring setting information of said book bind printing
in correspondence with properties of said output

apparatus capable of book bind printing; and

a page layout determination module for determining a page layout upon said book bind printing based on said setting information of said book bind printing.

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20. The program according to claim 19, wherein said setting information of said book bind printing includes at least side-order setting information and sheet-order setting information, and wherein said setting
10 information is stored as a file in a memory device.

21. The program according to claim 19, wherein said setting information acquisition module acquires said sheet-order setting information and said side-order
15 setting information from the type of said output apparatus or used paper discharge orifice and the type of finisher.

22. The program according to claim 21, wherein said
20 page layout determination module determines the page layout upon said book bind printing based on the acquired sheet-order setting information and side-order setting information.

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23. The program according to claim 19, further comprising a generation module for generating print data

transmitted to said output apparatus in accordance with the page layout determined by said page layout determination module.

- 5 24. A program for generating print data to be print-
outputted by an output apparatus, comprising:

10 a layout control module for, if book bind printing
to discharge plural batch documents from said output
apparatus is required, controlling layout of each page
to arrange pages in consecutive page numbers for each
batch document; and

15 a transmission order control module for, if book
bind printing to discharge plural batch documents from
said output apparatus is required, controlling the order
of transmission of print data by each batch document.

20 25. The program according to claim 24, wherein said
transmission order control module controls the order of
transmission of print data by each batch document based
on designation of opening direction of book binding.

26. The program according to claim 24, wherein said
opening direction of book binding is included in print
settings designated by a user via a user interface, and
25 wherein paper discharge property in said output
apparatus is previously determined for each output
apparatus.

27. The program according to claim 24, further comprising:

5 an acquisition module for, if plural saddle stitch finisher are attachable to said output apparatus, acquiring identification information of saddle stitch finisher attached to said output apparatus; and

10 a specification module for specifying a paper discharge property corresponding to the identification information acquired by said acquisition means, from prepared plural paper discharge properties,

15 wherein said transmission order control module controls the order of transmission of print data by each batch document based on the paper discharge property specified by said specification module.

28. A computer-readable storage medium holding the program in claim 19.

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